Volume 16 Author and Subject Index

A_STAT, 86
achievement testing, 177
adaptive testing, 33, 327
Adema, J. J., 53
Alsawalmeh, Y. M., 195
Andrew-Pregibon measure, 209
appropriateness measurement, 345
Armstrong, R. D., 365
asymmetric data, 105
attenuation, 77

Bagozzi, R. P., 373
Baker, F. B., 87
Bayesian methods, 65
Bergstrom, B. A., 33
BILOG, 261
Birenbaum, M., 353
Blair, R. C., 64
Bolanowski, S. J., Jr., 101
Bonferroni, 364
Boss, M. W., 345
branch-and-bound algorithm, 365
bug analysis, 353

Camilli, G., 129 Carmone, F. J., Jr., 206 caution index, 345 Chang, H-H, 236 Chason, W. M., 64 Chatterjee, S., 209 classical test theory, 365 cluster analysis, 17, 105, 119 cluster means, 119 Cohen, A. S., 158 colinearity, 209 Collins, L. M., 403 combinatorial data analysis, 105 complexity, 365 computerized testing, 41 adaptive testing, 33, 327 mastery testing, 65 construct validation, 249 content validity, 17 Cook's distance, 209 Correction, 294 correlated effects, 229 correlation, 77 covariance ratio, 209

De Ayala, R. J., 327 De Leeuw, J., 403 decision theory, 65 degenerate components, 295 diagnostic assessment, 353 differential item functioning, 129, 381, 389 DIMTEST, 236 direct-product model, 373 double monotonicity, 149 *Drasgow*, F, 261

EAP estimation, 327 equating coefficients, 87 estimation of variance components, 229 extreme-group design, 249

factor analysis, 129 Feldt, L. S., 195 forced-choice experiment, 261 ForScore, 261 Fowler, R. L., 249

Geisinger, K. F., 17 generalizability theory, 229 Gescheider, G. A., 101 Gessaroli, M. E., 345 graded response model, 87 Green, P. E., 206 Gremmen, F. M., 177 guessing in matching tests, 177 Gutvirtz, Y., 353

H^T coefficient, 149 Hamer, R. M., 206 heuristics, 53 hierarchical clustering, 119 Hirsch, T. M., 41 Horn, J. L., 403

ideal observer method, 261 individual raters, 77 influential observations, 209 information functions, 41 interrater reliability, 77 intersection of item response functions, 149 intraclass reliability, 195 invariance, 389 IRTDATA, 52 IRTDIF, 158 item banking, 53 item bias, 129, 381, 389 multidimensionality, 237 item format, 353 item information, 41 item matching, 365

item response theory, 65, 129, 149, 389 estimation, 261 item bias, 237 mean differences, 237 models, 159, 261 model fit, 279 multidimensionality, 237, 279 parameter estimation, 279 person fit, 345

Johanson, G. A., 52 Jones, D. H., 365 Junker, B., 236

Kim, S-H, 158 knowledge or random guessing matching, 177 Krijnen, W. P., 295 Kromrey, J. D., 64

Levine, M. V., 261 Lewis, C., 65 Li, J., 364 LISREL, 129 LOGIST, 261 Luecht, R. M., 41, 229, 279 Luh, W., 364 Lunz, M. E., 33

Magee, K. N., 77, 119 Mantel-Haenszel statistic, 381 marginal maximum likelihood, 1 matching tests, 177 mathematical programming, 53 McCusker, C., 261 mean differences in IRT, 237 measurement bias, 389 measurement error, 209 Meijer, R. R., 149 Meredith, W., 389 method factors, 373 Michell, J., 306 Miller, M. D., 237, 381 Miller, T. R., 279 Millsap, R. E., 389 model fit, 279 Mokken models, 149 monte carlo technique, 1, 249 multidimensional scaling, 17, 105 multidimensionality, 129, 237 multidimensionality in IRT, 279 multilinear formula score theory, 261 MULTILOG, 1 multiple raters, 77 multiplicative model, 373 multitrait-multimethod matrix, 373

Muraki, E., 159

Nandakumar, R., 236
National Assessment of Educational Progress, 159
Neel, J. H., 260
nominal response model, 159, 327
noncontrast components, 295
nondeterministic polynomial complete, 365
non-negativity constraints, 295
non-normal distributions, 249
nonparametric models, 149
Noonan, B. W., 345

observational studies, 229 Olejnik, S., 364 order analysis, 105 ordered partition model, 309 Oshima, T. C., 237, 381 Overall, J. E., 77, 119

Panter, A. T., 97
PARAFAC, 295
parallel tests, 41, 365
parameter estimation, 279
partial credit model, 159, 309
partial order model, 309
partial residual plot, 209
PERMUTE, 64
Perrin, N. A., 101
person-fit statistics, 345
polynomial algorithms, 365
polytomous models, 159, 309, 327
positive manifold, 295
predictive bias, 389
proximity data, 105

quadratic loss function, 87

Rasch model, 33, 309 rater reliability, 77 rating scale model, 159 rating scales, 77 Reddon, J. R., 86 reference composites, 279 regression diagnostics, 209 relative efficiency, 33 reliability, 195 reliability of ratings, 77 repeated trials, 229 replication in cluster analysis, 119 response function method, 87 Rodgers, J. L., 105 rule space, 353

sampling theory, 195 serial correlation, 229 seriation, 105 Sheehan, K., 65 significance, 77 Sijtsma, K., 149 similarity data, 17 Sireci, S. G., 17 Smith, P. L., 229 Smith, S. M., 206 Spearman-Brown extrapolation, 195 statistical power, 249 statistical test, 195 Steidinger, D., 236 Stocking and Lord equating technique, 87 Stone, C. A., 1 stopping rule in cluster analysis, 119 Stout, W., 236

Tatsuoka, K. K., 353
Ten Berge, J. M. F., 295
Terry, R., 99
test characteristic curves, 87
test construction, 17, 41, 53, 365
test equating, 87
test equivalence, 65

TESTINFO, 260
test information, 33, 41
testlets, 65
Thomasson, G. L., 261
Thompson, P., 306
Thompson, T. D., 105
trait estimation, 279
trait factors, 373
two-parameter logistic response model, 1
two-stage bias estimation, 381

unidimensional scaling, 105 unusual response patterns, 345 upper-lower index, 249 validity of cluster analysis, 119 Van Der Ven, A. H. G. S., 177 Von Eye, A., 97, 99

weakly parallel tests, 53 Williams, B., 261 Wilson, M., 309 Wright, B. D., 33

Yi, Y., 373 Yilmaz, M., 209